



IPW

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application No.	10/650,406
		Filing Date	August 27, 2003
		First Named Inventor	Jong Moon LEE
		Art Unit	
		Examiner Name	
Total Number of Pages in This Submission	9	Attorney Docket Number	51876P384

### ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">           Korean Office Action w/English translation; 1 prior art reference; return postcard         </div>
Remarks		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	George W Hoover, Reg. No. 32,992  BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	6/24/05

### CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Typed or printed name	Melissa Stead
Signature	
Date	6-24-05

Based on PTO/SB/21 (04-04) as modified by Blakely, Sokoloff, Taylor & Zafman (wtr) 06/04/2004.  
 SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



JUN 27 2005

# FEES TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27.

**TOTAL AMOUNT OF PAYMENT**

**(\$)**

#### Complete if Known

Application Number	10/650,406
Filing Date	August 27, 2003
First Named Inventor	Jong Moon LEE
Examiner Name	
Art Unit	
Attorney Docket No.	51876P384

#### METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayment of fee(s)  Credit any overpayments  
 under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

#### FEE CALCULATION

##### Large Entity      Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
2053	130	2053	130	Non-English specification	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1,000	2403	500	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	

Other fee (specify) \_\_\_\_\_

SUBTOTAL (2) **(\$)**

Complete (if applicable)

<b>SUBMITTED BY</b>					
Name (Print/Type)	George W Hoover		Registration No. (Attorney/Agent)	32,992	Telephone (310) 207-3800
Signature				Date	6/24/05



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Make the Application of:

JONG MOON LEE, ET AL.

Application No.: 10/650,406

Filed: August 27, 2003

For: **BROADBAND SLOT ANTENNA AND SLOT  
ARRAY ANTENNA USING THE SAME**

Art Group:

Examiner:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

It is hereby stated that no item of information contained in the Information Disclosure Statement was cited in a patent office in a counterpart application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual associated with the filing or prosecution of the subject application more than three months prior to the filing of the Information Disclosure Statement.

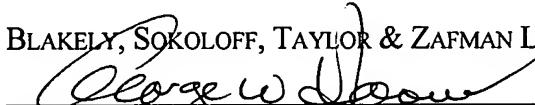
The references were cited in a Search Report dated March 24, 2005 (copy enclosed herewith) in a counterpart Korean application, which was forwarded to Applicant's Representative in a communication dated March 25, 2005.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

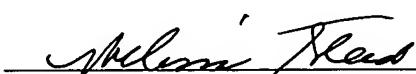
Respectfully submitted,

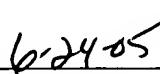
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

  
George W Hoover, Reg. No. 32,992

Date: 6/24/05  
12400 Wilshire Boulevard, 7th Floor  
Los Angeles, CA 90025  
Telephone: (310) 207-3800

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Melissa Stead

  
Date



<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p>				<p><i>Complete if Known</i></p>	
Sheet	1	of	1	Application Number	10/650,406
				Filing Date	August 27, 2003
				First Named Inventor	Jong Moon LEE
				Art Unit	
				Examiner Name	
				Attorney Docket Number	51876P384

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature	Date Considered
-----------------------	--------------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 08/11/2003

Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

**TITLE:** *Broadband slot antenna and slot array antenna using the same*

This application was preliminarily rejected pursuant to Article 63 of the Korean Patent Law based on the following reason. Should there be any opinion against this action, please file a written argument by May 24, 2005. (You can apply for 1-month extension per each case, and we do not notify you of the confirmation for such term extension.)

**[REASON]**

1. This invention described in claims 1 to 5 can be easily invented by those skilled in the art as pointed out below. Accordingly, the above-identified patent application cannot be registered pursuant to Article 29, Paragraph 2 of the Korean Patent Law.
2. The present patent application cannot be registered, because the detailed description of the present invention do not satisfy the conditions requested by Article 42, Paragraph 4, Item 2 of the Korean Patent Law as pointed out below.

**[BELOW]**

1. Claims 1 to 5 of the present invention includes a feeding block formed on a dielectric, a slot on top of the dielectric, and a reflection plane on bottom of the dielectric.

However, Japanese Patent Laid-Open No. 1999-186838 (a reference 1) published on July 9, 1999, discloses a radiation patch including a feeding block formed on a film, and a slot on top of the film and a metal block on bottom of the film.

Compared with the reference 1, the present invention is similar to the reference 1 in that a radiation patch includes a feeding block is formed on a film, and a slot on top and a metal block on bottom of the film.

The difference between the present invention and the reference 1 is that the slot of the present invention is formed in a conical shape instead of a square shape, but it is concluded that the change can be realized easily by those skilled in the art.

Therefore, the claims 1 to 5 of the present invention can be invented easily referring to the reference 1.

2. The detailed description of the present invention describes "formed on bottom of the dielectric layer 23,.....with a ground conductive layer 21", but since the structure is shown oppositely in a figure, it is not described apparently so that it can be realized by those skilled in the art easily.

*[Attachment] 1. JP Patent Laid-Open No. 1999-186838  
(Published on July 9, 1999)*